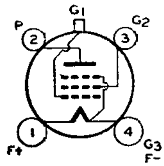


RCA–1A4

SUPER-CONTROL R-F AMPLIFIER PENTODE



The 1A4 is a super-control pentode of the filament type. It is useful as a radio-frequency amplifier or intermediate-frequency amplifier in battery-operated receivers. The 1A4, although similar in application to type 34, is constructed in a smaller bulb and, because of its less remote cut-off characteristic, requires less B-battery power.

CHARACTERISTICS

Filament Voltage (D. C.)	2.0		Volts
Filament Current	0.060		Ampere
Plate Voltage	90	180 *max.*	Volts
Screen Voltage (Grid No. 2)	67.5 *max.*	67.5 *max.*	Volts
Grid Voltage (Grid No. 1)	−3 *min.*	−3 *min.*	Volts
Plate Current	2.2	2.3	Milliamperes
Screen Current	0.9	0.8	Milliampere
Plate Resistance (Approx.)	0.6	1.0	Megohm
Amplification Factor	425	750	
Transconductance	720	750	Micromhos
Transconductance (At —15 volts bias)	15	15	Micromhos
Grid-Plate Capacitance (With shield-can)	0.007 *max.*		μμf
Input Capacitance	5		μμf
Output Capacitance	11		μμf
Bulb			ST-12
Cap			Small Metal
Base			Small 4-Pin

INSTALLATION AND APPLICATION

For INSTALLATION and APPLICATION, refer to type 34.

